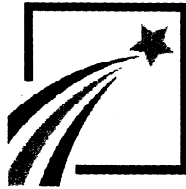


AOS-0027



***National
Environmental
Achievement Track***

Application Form

Motorola IL02

Name of facility

Motorola, Inc.

Name of parent company (if any)

1301 E. Algonquin Road

Street address

Street address (continued)

Schaumburg, Illinois 60196

City/State/Zip code

Give us information about your contact person for the
National Environmental Achievement Track Program.

Name Chaitan Daiya

Title Director, Sector Environmental, Safety and Industrial Hygiene

Phone (847) 576-6141

Fax (847) 576-2652

E-mail chaitan.daiya@motorola.com

Why do we need this information?

EPA needs background information on your facility to evaluate your application.

What do you need to do?

- Provide background information on your facility.
- Identify your environmental requirements.



1 What do you do or make at your facility?

Motorola IL02 designs, manufactures and distributes analog and digital two-way radio products and systems for conventional, shared and private applications worldwide. Motorola Advanced Technology Center and Applied Technology are two research laboratories located at the site.

2 List the Standard Industrial Classification (SIC) code(s) or North American Industrial Classification System (NAICS) codes that you use to classify business at your facility.

SIC
3663

NAICS

3 Does your company meet the Small Business Administration definition of a small business for your sector?

☐ Yes ☒ No

4 How many employees (full-time equivalents) currently work at your facility?

☐ Fewer than 50
☐ 50-99
☐ 100-499
☐ 500-1,000
☒ More than 1,000

Section A, continued

5 Does your facility have an EPA ID number(s)?

☒ Yes

☐ No

If yes, list in the right-hand column.

ILD 079 763 140

6 Identify the environmental requirements that apply to your facility. Use the Environmental Requirements Checklist, at the back of the instructions, as a reference. List your requirements to the right *or* enclose a completed Checklist with your application.

Checklist enclosed

7 Check the appropriate box in the right-hand column.

☐ I've listed the requirements above.

☒ I've enclosed the Checklist with my application.

8 Optional: Is there anything else you would like to tell us about your facility?

Motorola IL02 has been recognized on numerous occasions for outstanding environmental, health and safety performance. Honors include the Illinois Governor's Pollution Prevention Award (1993, 1997, 1998) and the Metropolitan Water Reclamation District of Greater Chicago Pollution Prevention Award (1999). Additionally, the IL02 site is an OSHA Voluntary Protection Program Star site and is currently in the application process for ISO 14001 certification. Motorola is also a charter member of USEPA WasteWiSe.

Locally, the IL02 site promotes community environmental awareness by sponsoring electronics recycling efforts as well as roadside and river clean up activities. The IL02 Environmental staff has also partnered with local

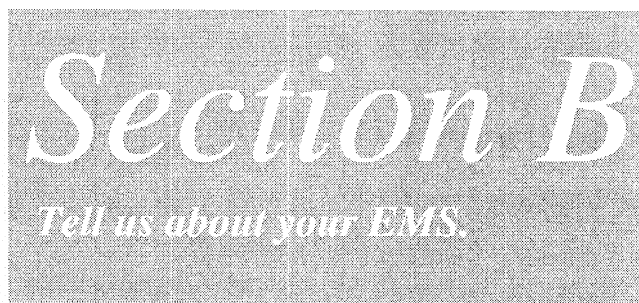
high schools and a community college to support environmental curriculum and student organizations.

Why do we need this information?

Facilities must have an operating Environmental Management System (EMS) that meets certain requirements.

What do you need to do?

- Confirm that your EMS meets the Achievement Track requirements.
- Tell us if you have completed a self-assessment or have had a third-party assessment of your EMS.



1 Check *yes* if your EMS meets the requirements for each element below as defined in the instructions.

a. Environmental policy ☒ Yes

b. Planning ☒ Yes

c. Implementation and operation ☒ Yes

d. Checking and corrective action ☒ Yes

e. Management review ☒ Yes

2 Have you completed at least one EMS cycle (plan-do-check-act)? ☒ Yes

3 Did this cycle include both an EMS and a compliance audit? ☒ Yes

4 Have you completed an objective self-assessment or third-party assessment of your EMS? ☒ Yes

If yes, what method of EMS assessment did you use?

☒ Self-assessment

☐ GEMI

☒ Other

☐ CEMP

Internal comprehensive compliance audits are conducted annually using Dakota software. A compliance and due diligence audit is conducted by corporate auditors every three years.

☐ Third-party assessment

☐ ISO 14001 Certification

☐ Other

Why do we need this information?

Facilities must show that they are committed to improving their environmental performance. This means that you can describe past achievements and will make future commitments.

Section C

Tell us about your past achievements and future commitments.

What do you need to do?

Refer to the Environmental Performance Table in the instructions to answer questions 1 and 2.

- 1 Describe your past achievements for at least two environmental aspects. If you need more space than is provided, attach copies of this page.

Note to small facilities: If you qualify as a small facility as defined in the instructions, you are required to report past achievement for at least one environmental aspect.

First aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
	Quantity	Units	Quantity	Units
Total Water Use	91.8	million gallons/year	60.0	million gallons/year
i. How is the current level an improvement over the previous level?				
Water usage has been reduced by 31.8 million gallons. This is a reduction of 34.6% which has saved \$105,000.				
ii. How did you achieve this improvement?				
Timers were installed on two flushing processes, and a rinsing process was turned off on weekends. A new closed-loop chiller cooling system was installed for nine ovens and ten laser trimmers replacing a system which discharged cooling water directly to sewer.				

Second aspect you've selected

What aspect have you selected?	What was the previous level (2 years ago)?		What is the current level?	
Emission of VOCs	Quantity 5.11	Units tons	Quantity 2.41	Units tons
<p>i. How is the current level an improvement over the previous level?</p> <p>VOC emissions were reduced by 2.7 tons, resulting a 52.8% reduction in two years.</p> <p>ii. How did you achieve this improvement?</p> <p>This was accomplished through various chemical substitutions, eliminations, and process changes.</p>				

- 2 Select at least four environmental aspects (no more than two from any one category) from the Environmental Performance Table in the instructions and then tell us about your future commitments. If you need more space than is provided, attach copies of this section.

Note to small facilities: If you are a small facility, you are required to make commitments for at least two environmental aspects in two different categories.

First aspect you've selected

- a. What is the aspect? Total Energy Use
- b. Is this aspect identified as significant in your EMS? ☐ Yes ☒ No
- c. What is the current level? You may choose to state ☒ Option A:
Absolute value 82 million KWh

this as an absolute value or in terms of units of production or output.

(Quantity/Units)

☐ Option B:
In terms of
units of production
or output

(Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value

A 20% reduction to
65 million KWh
(Quantity/Units)

☐ Option B:
In terms of
units of production
or output

(Quantity/Units)

e. How will you achieve this improvement?

A new policy states any new or replacement equipment must be highly energy-efficient.

Other strategies include: automated lighting, air conditioning optimization, high-efficiency computer monitors, soft-starts on motor controls, and frequency drive on motors.

Second aspect you've selected

a. What is the aspect?

Recycled/Re-Used Materials Use

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value

3.14 million lb/year
reused, recycled or sold

☐ Option B:
In terms of
units of production
or output

This amount was
reported to WasteWi\$e
for 1999.
(Quantity/Units)

(Quantity/Units)

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:

Absolute value


A 15% improvement to
3.61 million lb/year
(Quantity/Units)

☐ Option B:

In terms of
units of production
or output

(Quantity/Units)

e. How will you achieve this improvement?


11-16-00

This material consists of waste products that are either recycled, reused or sold. These wastes include such items as pallets, plastic reels and trays, foam, used furniture, monitors, computers, scrap metal and paper/cardboard products.

Programs are currently being implemented to ensure better separation of waste materials.

Office recycling programs will be expanded.

Steps will be taken to improve communication with contractors to ensure they participate in reuse and recycling efforts.

At the same time, we are committed to source reduction of recycled material through waste minimization initiatives. We are creating partnerships with our suppliers to institute returnable packaging systems.

Third aspect you've selected

a. What is the aspect?

Total Solid Waste

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value 1380 tons/year
(Quantity/Units)

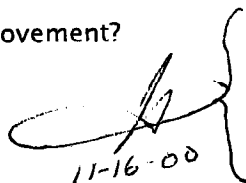
☐ Option B:
In terms of
units of production (Quantity/Units)
or output

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value Reduce to
1240 tons/year;
a 10% reduction.
(Quantity/Units)

☐ Option B:
In terms of
units of production
or output
(Quantity/Units)

e. How will you achieve this improvement?


11-16-00

This landfilled municipal solid waste consists of food waste, some packaging products, construction debris, remodeling debris, and general trash.

This improvement in landfill reduction will be accomplished through better separation of wastes, finding secondary markets, instituting returnable packaging programs and reducing cafeteria waste.

Fourth aspect you've selected

a. What is the aspect?

Total Hazardous Waste

b. Is this aspect identified as significant in your EMS?

☒ Yes ☐ No

c. What is the current level? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value 13.85 tons/year
(Quantity/Units)

☐ Option B:

d. What is the improvement you are committing to over the next three years? You may choose to state this as an absolute value or in terms of units of production or output.

☒ Option A:
Absolute value

A 15% reduction to
11.77 tons/year
(Quantity/Units)

☐ Option B:
In terms of
units of production
or output

(Quantity/Units)

e. How will you achieve this improvement?

This will be accomplished through waste minimization, green product design, manufacturing improvements and substitution.

Why do we need this information?

Facilities must demonstrate their commitment to public outreach and performance reporting. You should have appropriate mechanisms in place to identify community concerns, to communicate with the public, and to provide information on your environmental performance.

Section D

Tell us about your public outreach and reporting.

What do you need to do?

- Describe your approach to public outreach.
- List three references who are familiar with your facility.

1 How do you identify and respond to community concerns?

The public can contact us with their concerns via our campus' main telephone number (847) 576-5000, or they can email us through the "Contact Us" link on our home page.

<http://www.motorola.com> Our community affairs staff is dedicated to addressing all community concerns.

By continuously promoting Motorola employee volunteer efforts in community-based programs over the past 35 years, we have fostered a long-term relationship with our community.

2 How do you inform community members of important matters that affect them?

This is accomplished through our website and our annual report. When needed, press releases are issued.

3 How will you make the Achievement Track Annual Performance Report available to the public?

☒ Website www.mot.com/EHS

☐ Newspaper

☐ Open Houses

☒ Other

Annual Report

4 Are there any ongoing citizen suits against your facility?

☐ Yes ☒ No

If yes, describe briefly in the right-hand column.

There are no environmentally-related lawsuits against this site, Motorola IL02.

5 List references below

	<i>Organization</i>	<i>Name</i>	<i>Phone number</i>
<i>Representative of a Community/ Citizen Group</i>	Harper Community College Environmental Club	Karen Lustig, Advisor	(847) 925-6413
<i>State/Local Regulator</i>	Illinois Environmental Protection Agency Office of Pollution Prevention	Rick Reese, Intern Program Coordinator	(217) 524-4335
<i>Other community/local reference</i>	Schaumburg Fire Department, Bureau of Fire Prevention	Scott Cody, Inspector	(847) 985-4452

Section E

*Application and
Participation Statement*

On behalf of Motorola IL02
[my facility],

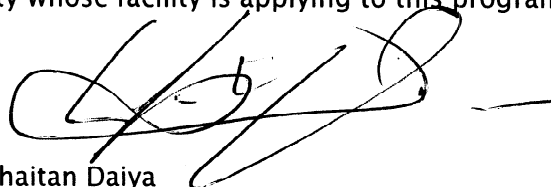
I certify that

- I have read and agree to the terms and conditions, as specified in the *National Environmental Achievement Track Program Description* and in the *Application Instructions*;
- I have personally examined and am familiar with the information contained in this Application (including, if attached, the Environmental Requirements Checklist). The information contained in this Application is, to the best of my knowledge and based on reasonable inquiry, true, accurate, and complete, and I have no reason to believe the facility would not meet all program requirements;
- My facility has an environmental management system (EMS), as defined in the Achievement Track EMS requirements, including systems to maintain compliance with all applicable federal, state, tribal, and local environmental requirements, in place at the facility, and the EMS will be maintained for the duration of the facility's participation in the program;
- My facility has conducted an objective assessment of its compliance with all applicable federal, state, tribal, and local environmental requirements, and the facility has corrected all identified instances of potential or actual noncompliance;
- Based on the foregoing compliance assessment and subsequent corrective actions (if any were necessary), my facility is, to the best of my knowledge and based on reasonable inquiry, currently in compliance with applicable federal, state, tribal, and local environmental requirements.

I agree that EPA's decision whether to accept participants into or remove them from the National Environmental Achievement Track is wholly discretionary, and I waive any right that may exist under any law to challenge EPA's acceptance or removal decision.

I am the senior facility manager and fully authorized to execute this statement on behalf of the corporation or other legal entity whose facility is applying to this program.

Signature/Date



9/29/00

Printed Name/Title

Chaitan Daiya

Director, Sector Environmental, Safety and Industrial Hygiene

Facility Name Motorola IL02

Facility Street Address 1301 E. Algonquin Road
Schaumburg, IL 60196

Facility ID Numbers ILD 079 763 140

The National Environmental Performance Track is a U.S. Environmental Protection Agency program. Please direct inquiries to 1-888-339-PTRK or e-mail ptrack@indecon.com. Mail completed applications to:

The Performance Track Information Center
c/o Industrial Economics Incorporated
2067 Massachusetts Avenue
Cambridge, MA 02140

National Environmental Achievement Track

Environmental Requirements Checklist

The following Checklist is provided to assist facilities in answering Section A, "Tell us about your facility," Question 6. The Checklist is given to help facilities identify the major federal, state, tribal, and local environmental requirements applicable at their facilities. The Checklist is not intended to be an exhaustive list of all environmental requirements that may be applicable at an individual facility.

If you use this Checklist and choose to submit it with your application, fill in your facility information below and enclose the completed Checklist with your application (see instructions).

Facility Name Motorola IL02
Facility Location: 1301 E. Algonquin Road, Schaumburg, IL 60196
Facility ID Number(s): ILD 079 763 140
(attach additional sheets if necessary)

Air Pollution Regulations

Check All
That Apply

1. National Emission Standards for Hazardous Air Pollutants (40 CFR 61) ☒
2. Permits and Registration of Air Pollution Sources ☒
3. General Emission Standards, Prohibitions and Restrictions ☒
4. Control of Incinerators ☐
5. Process Industry Emission Standards ☒
6. Control of Fuel Burning Equipment ☒
7. Control of VOCs ☒
8. Sampling, Testing and Reporting ☒
9. Visible Emissions Standards ☒
10. Control of Fugitive Dust ☐
11. Toxic Air Pollutants Control ☒
12. Vehicle Emissions Inspections and Testing ☐

Other Federal, State, Tribal or Local Air Pollution Regulations Not Listed Above
(identify)

13. ☐
14. ☐

Hazardous Waste Management Regulations

1. Identification and Listing of Hazardous Waste (40 CFR 261)
 - Characteristic Waste ☒
 - Listed Waste ☒
2. Standards Applicable to Generators of Hazardous Waste (40 CFR 262)
 - Manifesting ☒

- Pre-transport requirements ☒
- Record keeping/reporting ☒
- 3. Standards Applicable to Transporters of Hazardous Waste (40 CFR 263)
 - Transfer facility requirements ☐
 - Manifest system and record-keeping ☐
 - Hazardous waste discharges ☐
- 4. Standards for Owners and Operators of TSD Facilities (40 CFR 264)
 - General facility standards ☐
 - Preparedness and prevention ☐
 - Contingency plan and emergency procedures ☐
 - Manifest system, Record keeping and reporting ☐
 - Groundwater protection ☐
 - Financial requirements ☐
 - Use and management of containers ☐
 - Tanks ☐
 - Waste piles ☐
 - Land treatment ☐
 - Incinerators ☐
- 5. Interim Status Standards for TSD Owners and Operators (40 CFR 265) ☐
- 6. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities (40 CFR 267) ☐
- 7. Administered Permit Program (Part B) (40 CFR 270) ☐

Other Federal, State, Tribal or Local Hazardous Waste Management Regulations Not Listed Above (identify)

- 8. ☐
- 9. ☐

Hazardous Materials Management

- 1. Control of Pollution by Oil and Hazardous Substances (33 CFR 153) ☒
- 2. Designation of Reportable Quantities and Notification of Hazardous Materials Spill (40 CFR 302) ☒
- 3. Hazardous Materials Transportation Regulations (49 CFR 172-173) ☒
- 4. Worker Right-to-Know Regulations (29 CFR 1910.1200) ☒
- 5. Community Right-to-Know Regulations (40 CFR 350-372) ☒

Other Federal, State, Tribal or Local Hazardous Materials Management Regulations Not Listed Above (identify)

- 6. ☐
- 7. ☐

Solid Waste Management

- 1. Criteria for Classification of Solid Waste Disposal Facilities and Practices (40 CFR 257) ☐
- 2. Permit Requirements for Solid Waste Disposal Facilities ☐
- 3. Installation of Systems of Refuse Disposal ☐

- | | |
|---|-------------------------------------|
| 4. Solid Waste Storage and Removal Requirements | <input checked="" type="checkbox"/> |
| 5. Disposal Requirements for Special Wastes | <input checked="" type="checkbox"/> |

Other Federal, State, Tribal or Local Solid Waste Management Regulations Not Listed Above (identify)

- | | |
|----|--------------------------|
| 6. | <input type="checkbox"/> |
| 7. | <input type="checkbox"/> |

Water Pollution Control Requirements

- | | |
|---|-------------------------------------|
| 1. Oil Spill Prevention Control and Countermeasures (SPCC) (40 CFR 112) | <input checked="" type="checkbox"/> |
| 2. Designation of Hazardous Substances (40 CFR 116) | <input checked="" type="checkbox"/> |
| 3. Determination of Reportable Quantities for Hazardous Substances (40 CFR 117) | <input checked="" type="checkbox"/> |
| 4. NPDES Permit Requirements (40 CFR 122) | <input type="checkbox"/> |
| 5. Toxic Pollutant Effluent Standards (40 CFR 129) | <input checked="" type="checkbox"/> |
| 6. General Pretreatment Regulations for Existing and New Sources (40 CFR 403) | <input checked="" type="checkbox"/> |
| 7. Organic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 414) | <input type="checkbox"/> |
| 8. Inorganic Chemicals Manufacturing Point Source Effluent Guidelines and Standards (40 CFR 415) | <input type="checkbox"/> |
| 9. Plastics and Synthetics Point Source Effluent Guidelines and Standards (40 CFR 416) | <input type="checkbox"/> |
| 10. Water Quality Standards | <input checked="" type="checkbox"/> |
| 11. Effluent Limitations for Direct Dischargers | <input type="checkbox"/> |
| 12. Permit Monitoring/Reporting Requirements | <input checked="" type="checkbox"/> |
| 13. Classifications and Certifications of Operators and Superintendents of Industrial Wastewater Plants | <input checked="" type="checkbox"/> |
| 14. Collection, Handling, Processing of Sewage Sludge | <input checked="" type="checkbox"/> |
| 15. Oil Discharge Containment, Control and Cleanup | <input checked="" type="checkbox"/> |
| 16. Standards Applicable to Indirect Discharges (Pretreatment) | <input checked="" type="checkbox"/> |

Other Federal, State, Tribal or Local Water Pollution Control Regulations Not Listed Above (identify)

- | | |
|-----|--------------------------|
| 17. | <input type="checkbox"/> |
| 18. | <input type="checkbox"/> |

Drinking Water Regulations

- | | |
|--|-------------------------------------|
| 1. Underground Injection and Control Regulations, Criteria and Standards (40 CFR 144, 146) | <input type="checkbox"/> |
| 2. National Primary Drinking Water Standards (40 CFR 141) | <input checked="" type="checkbox"/> |
| 3. Community Water Systems, Monitoring and Reporting Requirements (40 CFR 141) | <input checked="" type="checkbox"/> |
| 4. Permit Requirements for Appropriation/Use of Water from Surface or Subsurface Sources | <input type="checkbox"/> |
| 5. Underground Injection Control Requirements | <input type="checkbox"/> |

6. Monitoring, Reporting and Record keeping Requirements for Community Water Systems ☐

Other Federal, State, Tribal or Local Drinking Water Regulations Not Listed Above(identify)

7. ☐
8. ☐

Toxic Substances

1. Manufacture and Import of Chemicals, Record keeping and Reporting Requirements (40 CFR 704) ☒
2. Import and Export of Chemicals (40 CFR 707) ☒
3. Chemical Substances Inventory Reporting Requirements (40 CFR 710) ☐
4. Chemical Information Rules (40 CFR 712) ☐
5. Health and Safety Data Reporting (40 CFR 716) ☐
6. Pre-Manufacture Notifications (40 CFR 720) ☐
7. PCB Distribution Use, Storage and Disposal (40 CFR 761) ☒
8. Regulations on Use of Fully Halogenated Chlorofluoroalkanes (40 CFR 762) ☐
9. Storage and Disposal of Waste Material Containing TCDD (40 CFR 775) ☐

Other Federal, State, Tribal or Local Toxic Substances Regulations Not Listed Above (identify)

10. ☐
11. ☐

Pesticide Regulations

1. FIFRA Pesticide Use Classification (40 CFR 162) ☒
2. Procedures for Disposal and Storage of Pesticides and Containers (40 CFR 165) ☒
3. Certification of Pesticide Applications (40 CFR 171) ☐
4. Pesticide Licensing Requirements ☐
5. Labeling of Pesticides ☐
6. Pesticide Sales, Permits, Records, Application and Disposal Requirements ☐
7. Disposal of Pesticide Containers ☒
8. Restricted Use and Prohibited Pesticides ☐

Other Federal, State, Tribal or Local Pesticides Regulations Not Listed Above (identify)

9. ☐
10. ☐

Environmental Clean-Up, Restoration, Corrective Action

1. Comprehensive Environmental Response, Compensation and Liability Act (Superfund) (identify)

☐
☐

2. RCRA Corrective Action (identify)

☐
☐

**Other Federal, State, Tribal or Local Environmental Clean-Up, Restoration,
Corrective Action Regulations Not Listed Above (identify)**

3.

☐

4.

☐

Attachment

Because the Environmental Achievement Track application allows us to present information on only two achievements over the previous two years, we would like the opportunity to provide supplemental information to demonstrate our long-standing commitment to environmental excellence.

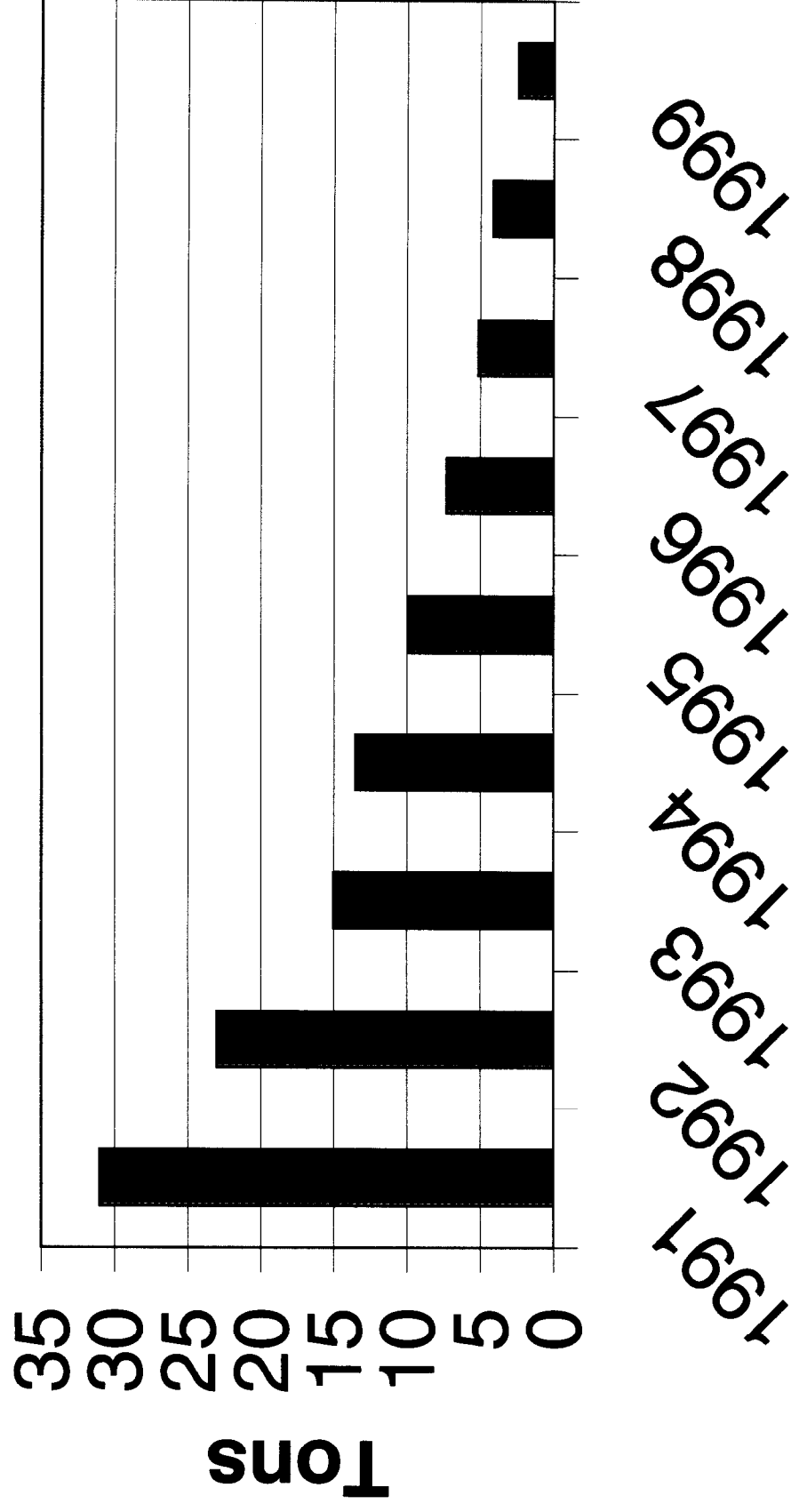
At Motorola IL02, we are committed to continuous environmental improvement. The attached documents speak to our proactive approach to environmental management – zero waste is our goal.

Enclosed for your review are charts illustrating:

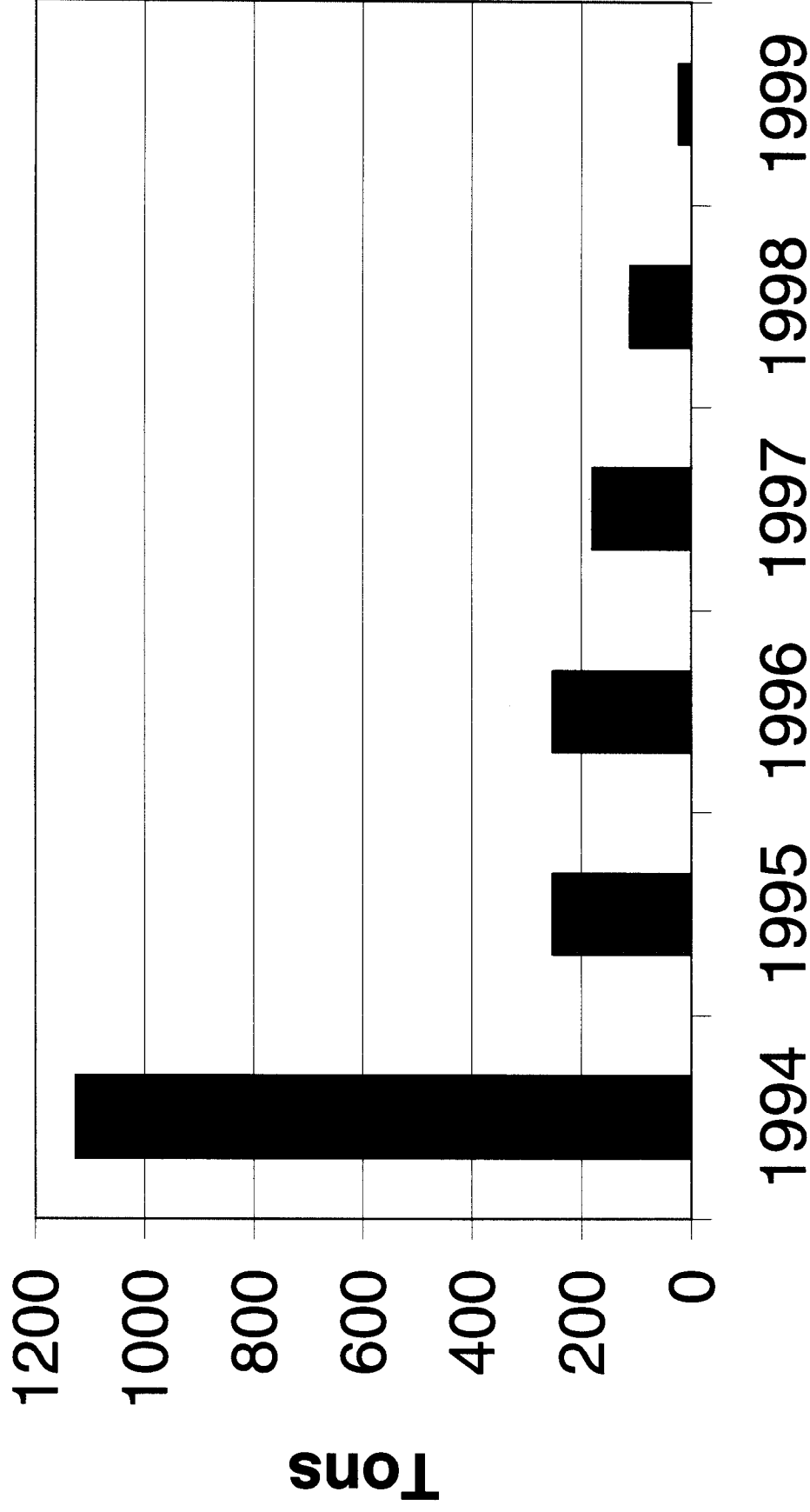
- VOC Emission Reductions
- Hazardous Material Usage Reductions
- Process Hazardous Waste Reductions
- Landfill Waste Reductions
- Paper and Cardboard Recycling Improvements
- Water Use Reductions

We have also included copies of the four Pollution Prevention awards we have earned over the past seven years and our OSHA Voluntary Protection Program Star recognition.

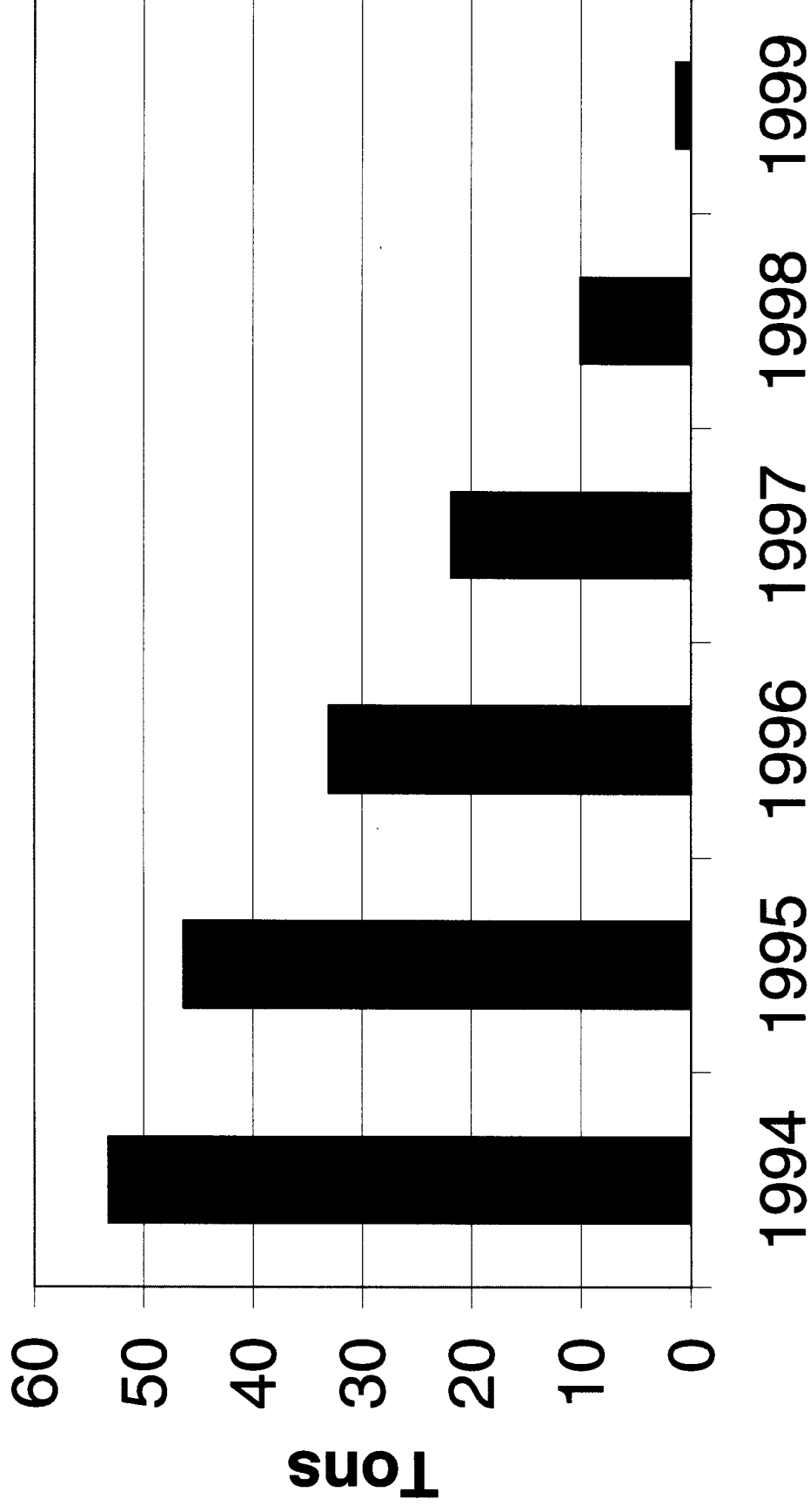
VOC Emissions



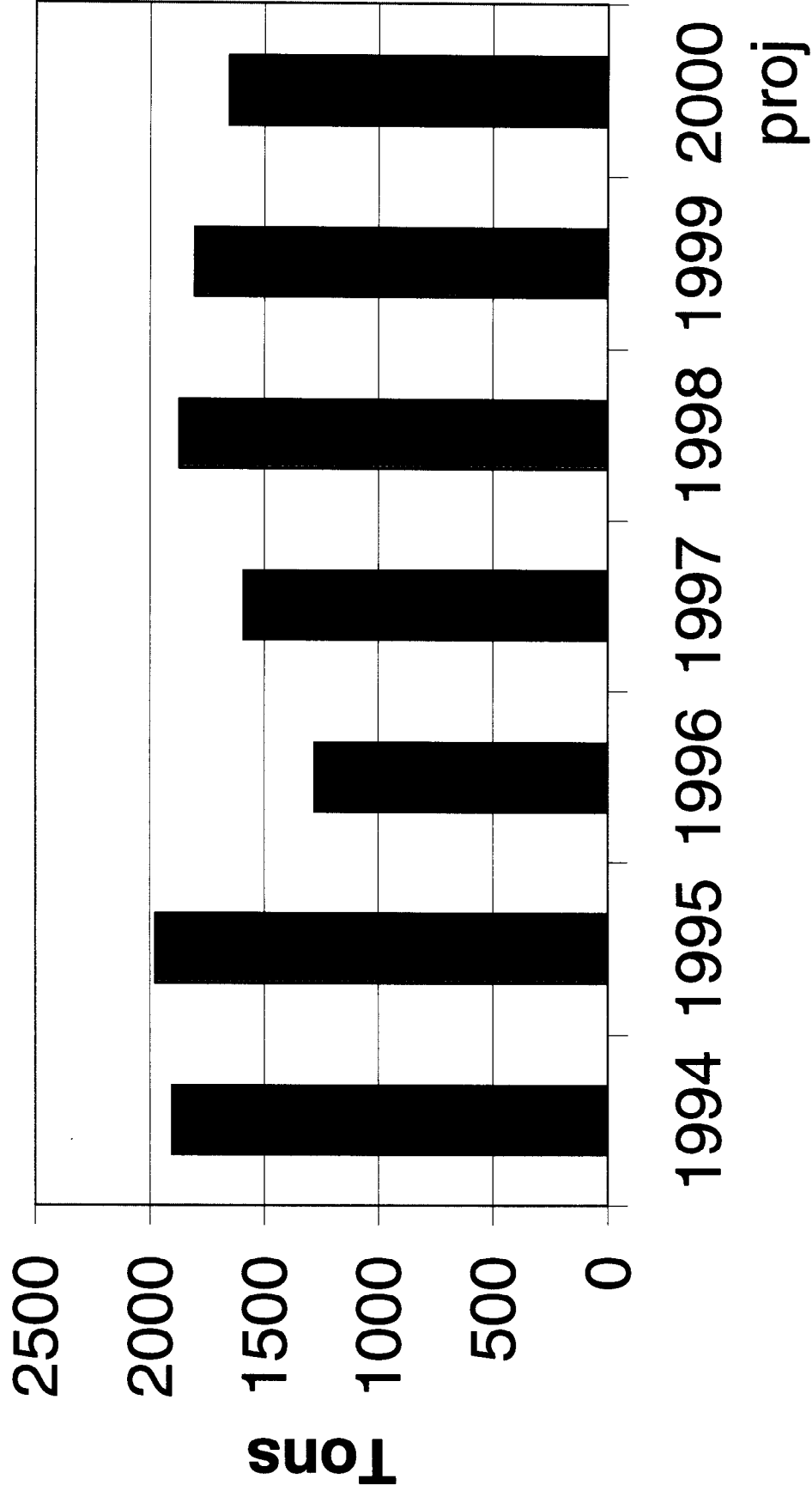
Hazardous Material Usage



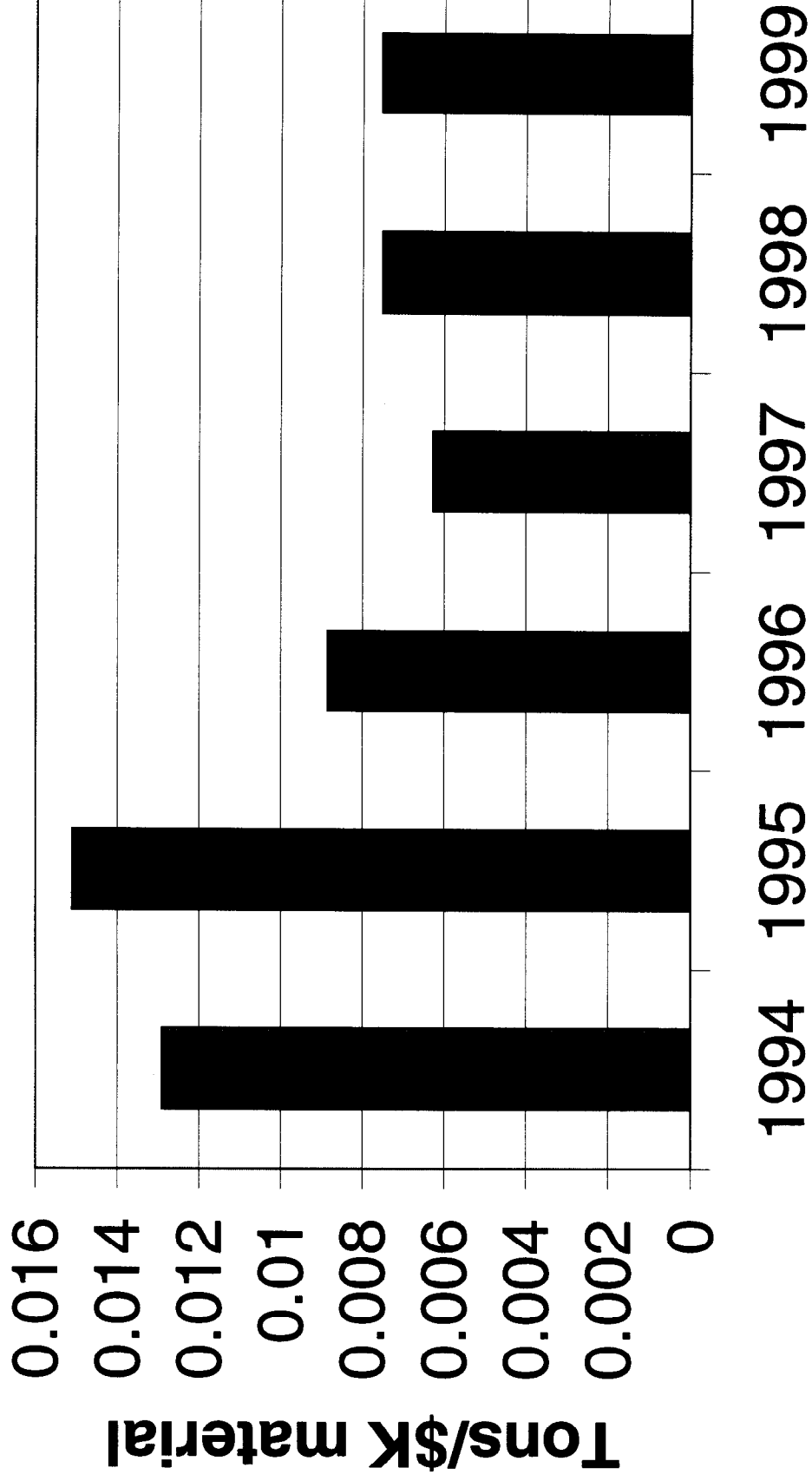
Process Hazardous Waste



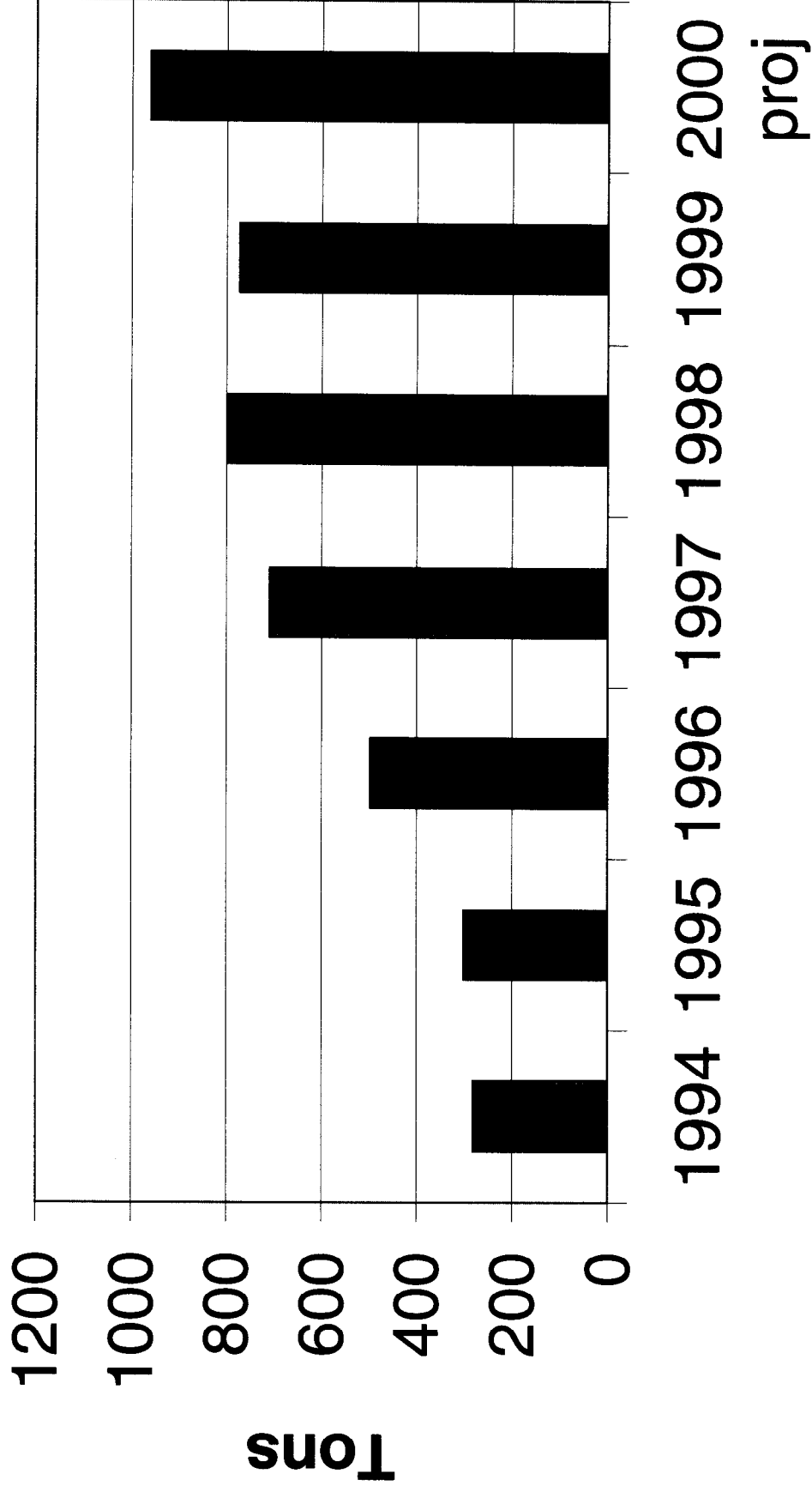
Landfill



Normalized Landfill



Paper/Cardboard Recycling



Water Use

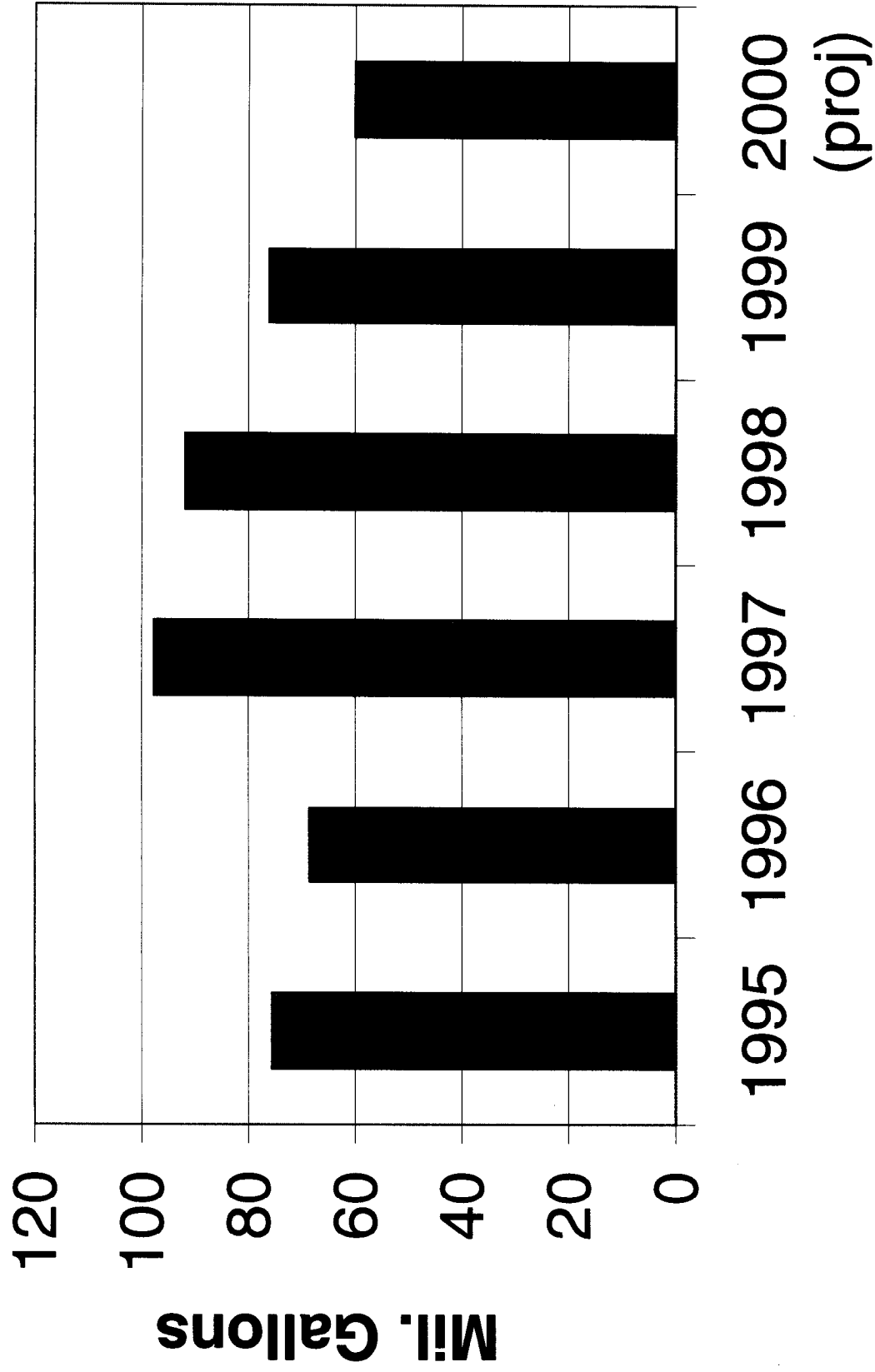
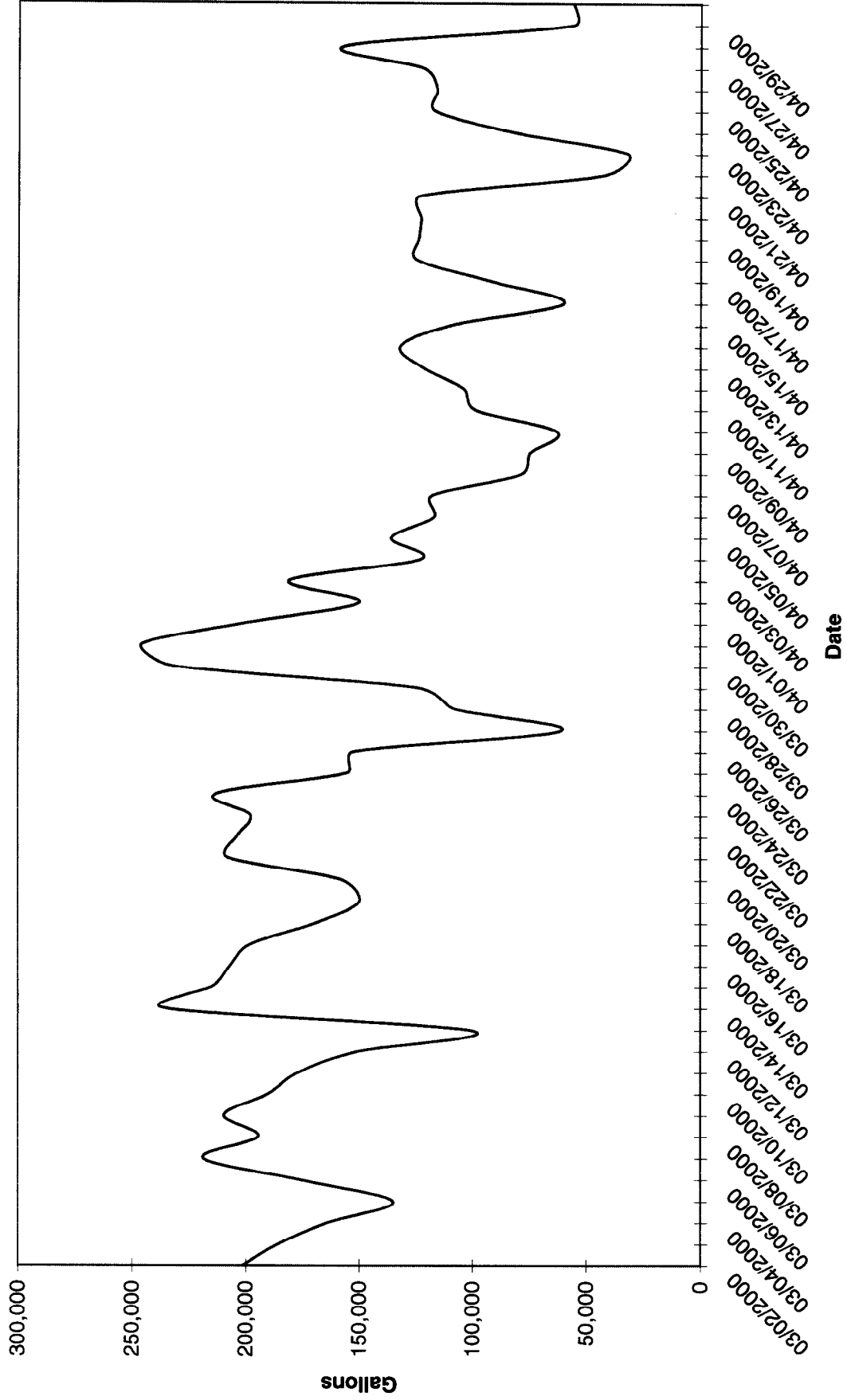


Chart1

Daily Influent





**7th Annual
Governor's
Pollution Prevention
Award**

**Motorola, Inc.
Schaumburg, Illinois**

**Jim Edgar
Governor
1993**





POLLUTION PREVENTION *Certificate of Commendation*

Metropolitan Water Reclamation District
of Greater Chicago



IN RECOGNITION OF EXCELLENT
ACHIEVEMENT IN POLLUTION PREVENTION BY
MOTOROLA INC., IL02 FACILITY
FOR THE YEAR 1999
BY THE BOARD OF COMMISSIONERS

IN APPRECIATION

FIVE YEAR MEMBER

"Excellence Through Cooperation"

The Voluntary Protection Programs Participants' Association
Recognizes

Motorola, Inc.

For Their Continued Support and Leadership in Worker Safety
and Health and Environmental Best Practices

Robert Stegall
Robert Stegall, Chairperson

Lee Anne Elliott
Lee Anne Elliott, Executive Director

September 28, 1999

Date

